




tri.py 
Saved



```
// title :  
// Description :  
// tags :  
  
1 b=float(input('enter base of triangle:'))  
2 h=float(input('enter height of a triangle:'))  
3  
4 area=0.5*b*h  
5 print("area of triangle=", area)  
6
```

× Terminal



```
enter base of triangle:5  
enter height of a triangle:4  
area of triangle= 10.0
```

```
Process finished.  
|
```



swap.py

Saved



// title :

// Description :

// tags :


```
1
2
3
4 x = input('Enter value of x: ')
5 y = input('Enter value of y: ')
6
7
8 temp = x
9 x = y
10 y = temp
11
12 print('The value of x after swapping:{}'.format(x))
13 print('The value of y after swapping:{}'.format(y))
```

x Terminal



```
Enter value of x: 2
Enter value of y: 6
The value of x after swapping:6
The value of y after swapping:2
```



random no.py 
Saved



```
// title :  
// Description :  
// tags :  
  
1 import random  
2  
3 print(random.randint(1,10))
```

✕ Terminal



10

Process finished.



celsius to Fahrenheit.py

Saved



```
// title :  
// Description :  
// tags :  
  
1 a=float(input("enter temperature in celcius"))  
2 f=(a*1.8)+32  
3 print(a,"celcius temperature=",f,"Fahrenheit")
```

✕ Terminal



```
enter temperature in celcius29  
29.0 celcius temperature= 84.2 Fahrenheit  
  
Process finished.
```



aishu Armstrong.py

Saved



```
// title :  
// Description :  
// tags :  
  
1 num=int(input("enter a no/n"))  
2 sum=0  
3 temp=num  
4 while temp > 0:  
5     digit=temp%10  
6     sum +=digit**3  
7     temp//=10  
8 if num==sum:  
9     print(" num is Armstrong no")  
10 else:  
11     print("num is not Armstrong no")
```

Terminal



```
enter a no/n153  
num is Armstrong no
```

```
Process finished.
```



leap year 1.py

Saved



```
// title :  
// Description :  
// tags :  
  
1 year=int(input("enter a year:"))  
2 if (year%4==0):  
3     print("year is leap year:")  
4 else:  
5     print("year is not leap year:")
```

✕ Terminal



```
enter a year:2000  
year is leap year:
```

```
Process finished.
```



ashu amstrong interval.py



Saved

// title :

// Description :

// tags :

```
1 lower=int(input("enter lower range:"))
2 upper=int(input("enter upper range:"))
3 for num in range(lower, upper+1):
4     sum=0
5     temp=num
6     while temp > 0:
7         digit=temp%10
8         sum +=digit**3
9         temp//=10
10        if num==sum:
11            print(num)
```

× Terminal



```
enter lower range:10
enter upper range:1000
64
125
153
216
370
371
407
729
```

Process finished.



natural no sum.py

Saved



```
// title :  
// Description :  
// tags :  
  
1 num=int(input("enter a no:"))  
2 if num<0:  
3     print("enter a positive no")  
4 else:  
5     sum=0  
6     while(num>0):  
7         sum+=num  
8         num-=1  
9     print("the sum is",sum)
```

✕ Terminal



```
enter a no:45  
the sum is 1035
```

```
Process finished.  
|
```




aish factorial.py

Saved



// title :

// Description :

// tags :

```
1 num= int(input("enter no:"))
2 factorial=1
3 if num<0:
4     print("factorial does not exist for negative ")
5 elif num== 0:
6     print("the factorial of 0 is 1")
7 else:
8     for i in range(1,num+1):
9         factorial=factorial*i
10    print("the factorial of", num,"is",factorial)
11
```

× Terminal



```
enter no:12
('the factorial of', 12, 'is', 479001600)
```

```
Process finished.
```



```
// title :  
// Description :  
// tags :  
  
1  n=int(input("enter limit"))  
2  n1=0  
3  n2=1;  
4  cnt=0  
5  if n<0:  
6      print("enter num which is grater than zero");  
7  elif n==1:  
8      print(n1)  
9  else:  
10     print("fabonacci sequence")  
11     while cnt<n:  
12         print(n1)  
13         temp=n1+n2  
14         n1=n2  
15         n2=temp  
16         cnt=cnt+1
```

× Terminal



```
enter limit10  
fabonacci sequence  
0  
1  
1  
2  
3  
5  
8  
13  
21  
34
```



celsius to Fahrenheit.py

Saved



```
// title :  
// Description :  
// tags :  
  
1 a=float(input("enter temperature in celcius"))  
2 f=(a*1.8)+32  
3 print(a,"celcius temperature=",f,"Fahrenheit")
```

× Terminal



```
enter temperature in celcius29  
29.0 celcius temperature= 84.2 Fahrenheit
```

```
Process finished.  
|
```



even odd.py

Saved



```
// title :  
// Description :  
// tags :  
  
1 num = int(input("Enter a number: "))  
2 if (num % 2) == 0:  
3     print("no is Even".format(num))  
4 else:  
5     print("no is Odd".format(num))  
6
```

Terminal



```
Enter a number: 47  
no is Odd
```

```
Process finished.
```



prime no.py

Saved



// title :

// Description :

// tags :

```
1 n=int(input("enter a no"))
2 f=0
3 for i in range (2,n):
4     if(n%i==0):
5         f=1
6         break
7 if(f==0):
8     print("no is prime")
9 else:
10    print("no is not prime")
```

× Terminal



```
enter a no4
no is not prime
```

```
Process finished.
```



kilometres.py

Saved



```
// title :  
// Description :  
// tags :  
  
1 kilometers = float(input("Enter value in kilometers"  
2  
3 conv_fac = 0.621371  
4  
5  
6 miles = kilometers * conv_fac  
7 print('%0.2f kilometers is equal to %0.2f miles' %
```

✕ Terminal



```
Enter value in kilometers: 4  
4.00 kilometers is equal to 2.49 miles
```

```
Process finished.
```



prime no interval.py

Saved



```
// title :  
// Description :  
// tags :  
  
1 lower=int(input("enter lower range:"))  
2 upper=int(input("enter upper range"))  
3 for num in range(lower, upper+1):  
4     if num>1:  
5         for i in range(2,num):  
6             if(num%i)==0:  
7                 break  
8     else:  
9         print(num)
```

Terminal



```
enter lower range:20  
enter upper range40  
23  
29  
31  
37
```



positive negative zero no.py



Saved

```
// title :  
// Description :  
// tags :  
  
1 num = float(input("Enter a number: "))  
2 if num > 0:  
3     print("Positive number")  
4 elif num == 0:  
5     print("Zero")  
6 else:  
7     print("Negative number")
```

× Terminal



```
Enter a number: 45  
Positive number
```

```
Process finished.  
|
```